

Description

Centrecoat MMA FR Smooth Screed has been designed to provide a hard wearing, impervious floor finish which is hygienic and easy to clean. With its combination of attractive finish and excellent resistance to a variety of chemicals, this product is suitable for a wide range of light industrial environments. The product exhibits very fast curing characteristics allowing a full return to service after 2 hours.

Centrecoat MMA FR Smooth Screed is fire resistant. The aesthetic finish may be augmented by incorporating a decorative flake or coloured Quartz broadcast.

Centrecoat MMA FR Smooth Screed is ideal as a tough, impervious, chemical resistance floor finish where hygiene and ease of maintenance are important e.g. food and beverage production, hospitals, canteens and kitchens, pharmaceutical plants, laboratories, etc. and in manufacturing industries where a fast return to service and minimal down times are essential.

Features

- ▶ Fast cure and return to service
- ▶ Very good chemical resistance
- ▶ Hard wearing
- ▶ Excellent abrasion resistance
- ▶ Hygienic and easily cleaned
- ▶ Range of slip resistant finishes possible
- ▶ Sound adhesion to concrete and metal substrates
- ▶ Easily applied
- ▶ Suitable for wet and dry areas

Colour

Available in Natural, Grey and Red. Tints available on request.

Preparation

Concrete surfaces shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, and existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. [Centrecoat MMA Repair Mortar](#). Suitable mechanical treatment, such as vacuum grit blasting, is the preferred treatment prior to application as this ensures a mechanical 'key' which will optimise adhesion.

Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish Standard and with a medium blast profile. All dust shall be removed prior to coating application. A coat of [Centrecoat MMA Steel Primer](#) shall be applied as soon as practicable after blasting, in order to obviate the possible occurrence of 'flash rusting'.

Priming

Concrete surfaces shall be primed with a coat of [Centrecoat MMA Multi Use Primer](#), applied by brush or roller at a nominal rate of 0.3kg/m². Long nap lambswool rollers are recommended for primer application. Allow primer to cure for a minimum of 40 minutes. Steel surfaces shall be primed with [Centrecoat MMA Steel Primer](#) as soon as practicable after blasting.

Mixing

Centrecoat MMA FR Smooth Screed is supplied as a three pack material consisting of the Base component, the Catalyst component, and the Filler component. Mix the BASE component and the CATALYST component thoroughly

by mechanical means and then add the FILLER component, mix thoroughly until a uniform consistency is achieved.

Application

Pour the mixed material onto the prepared and pre-primed surface, and apply by serrated trowel or screed box to the desired thickness. De-aerate the screed by spike rolling. Note: Existing joints in the floor must be carried through the screed.

If a more slip resistant finish should be required, then a suitable aggregate shall be broadcast whilst the screed is still wet and a suitable sealer coat subsequently applied.

When chemical spillages are anticipated, a two coat application of [Centrecoat MMA FR Sealer](#) is recommended. (Please refer to separate product data sheet for details).

Technical Data

- ▶ Pot Life: 15 minutes at 20°C, 35 minutes at 10°C
- ▶ Compressive Strength: 50 MPa
- ▶ Adhesion to Concrete: 3.6 MPa (concrete failure)
- ▶ Temperature Range During Application: -30°C to 40°C
- ▶ Temperature Range During Service: -40°C to 60°C
- ▶ Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils, and fruit juices.
- ▶ Foot Traffic: 1 hour at 20°C
- ▶ Full Chemical Resistance: 24 hours at 20°C

Coverage Rate

A 20kg pack is sufficient to cover an area of 3.6m² at a thickness of 3mm.

Clean Up

Clean equipment with [Centrecoat MMA Tool Cleaner](#) immediately after use.

Storage

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 20°C. Adequate ventilation of the storage area should be provided. Keep container tightly closed when not in use

Shelf Life

Centrecoat MMA FR Smooth Screed has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Packaging

Available in 20 Kg

Limitations

Do not apply to wet or uncured concrete surfaces. Will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.